

Wind Turbine – SD1209 – BUDGET

<u>Part</u>	<u>Quantity</u>	<u>Cost per unit</u>	<u>Projected Cost</u>	<u>Actual Cost</u>	<u>Notes</u>	<u>Purchased</u>
Wind turbine – 400 W	1	\$305	\$305	\$305	Ebay	✓
Solar Panel – 60 W	1	\$130	\$130	\$130	Ebay	
Receiver	1	\$550+	\$550+	\$550+	Dr. Gou	
12 V battery	1	\$100	\$100	\$0	ECE Dept.	✓
PIC18F4620 microcontroller	1	\$85	\$85	\$0	Kevin	✓
Test fan – 24 in.	1	\$251	\$251	\$0	ME Dept.	✓
Air pressure sensors	2	\$14	\$28	\$0	ECE Dept.	✓
PCB	1	\$50	\$50	\$50	ECE Dept.	
		Total	\$1499	\$1035		

Solar Panel – 2.5ft x 2.165ft x .1 ft

http://www.ebay.com/itm/60W-12-VOLT-LOW-VOLTAGE-PV-SOLAR-CELLS-PANEL-FOR-HOME-RV-USE-12V-BATTERY-/190735672027?pt=LH_DefaultDomain_0&hash=item2c68bb62db

Wind Turbine – 400 Watt w/o controller, 1.16 meter diameter http://www.ebay.com/itm/400W-WATTS-MAX-12-24V-BLADE-OPTION-WIND-TURBINE-GENERATOR-KIT-ELECTRICITY-j-/221071470683?pt=LH_DefaultDomain_0&var=&hash=item3378e2f05b